NEW!

Power Inductor – GA3199-AL

For ON Semiconductor NCP1654 PFC Controller

- Designed for ON Semiconductor for their 300 Watt, wide mains, PFC stage, driven by the NCP1654 PFC Controller
- Shown as L1 on Application Note AND8324/D
- High inductance: 650 µH; high saturating current: 6.3 A

Core material Ferrite

Terminations RoHS compliant tin-silver over tin over nickel over phos bronxe. Other terminations available at additional cost.

Weight 94 g

Ambient temperature –40°C to +85°C with Irms current, +85°C to +125°C with derated current

Storage temperature Component: –40°C to +85°C. Packaging: –40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Mean Time Between Failures (MTBF) 26,315,789 hours

Packaging 20 per tray

PCB washing Only pure water or alcohol recommended

Part number	Inductance[1] ±10% (µH)	DCR max (Ohm)	SRF typ[2] (kHz)	Isat (A)[3]			Irms (A)[4]	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
GA3199-AL	650	0.165	770	5.8	6.1	6.3	2.9	3.8

1. Inductance measured at 10 kHz, 0.1 Vrms, 0 Adc.
2. SRF measured on an Agilent/ HP 4192A impedance analyzer or equivalent
3. DC current at which the inductance drops the specified amount from its value without current.
4. Current that causes the specified temperature rise from 25°C ambient.
5. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

1102 Silver Lake Road Cary, Illinois 60013 **Phone** 847/639-6400 **Fax** 847/639-1469
E-mail info@coilcraft.com **Web** http://www.coilcraft.com

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RoHS COMPLIANT

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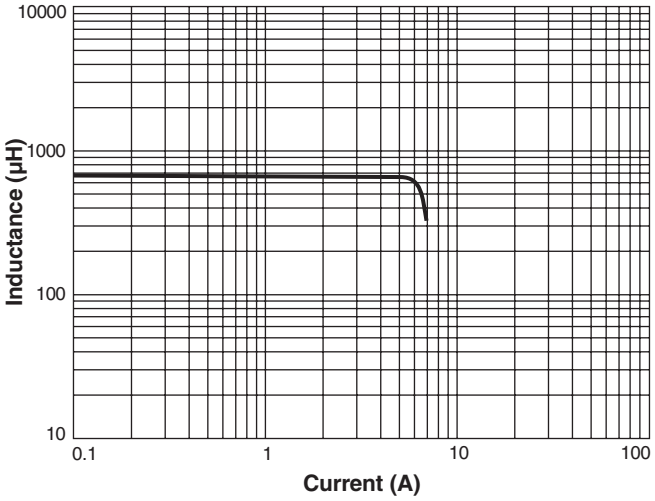
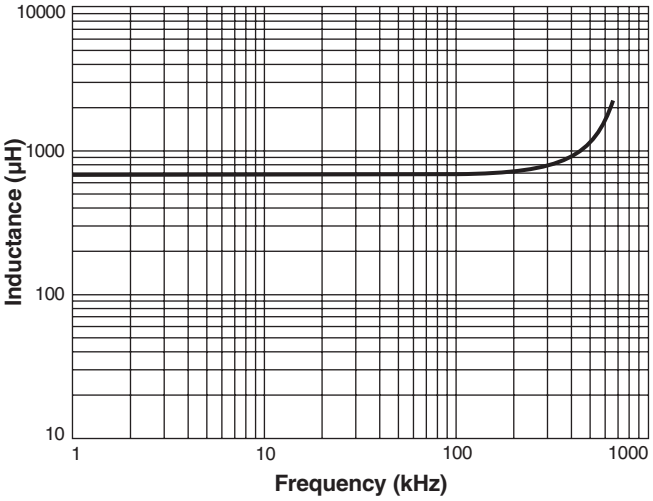
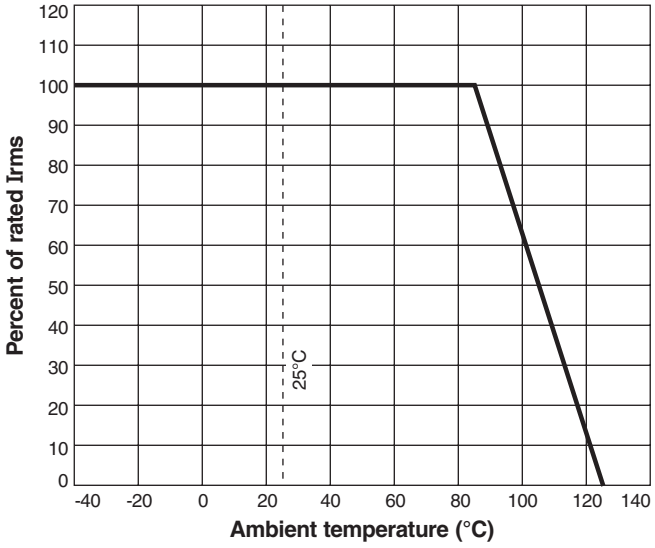
Inductance vs Current

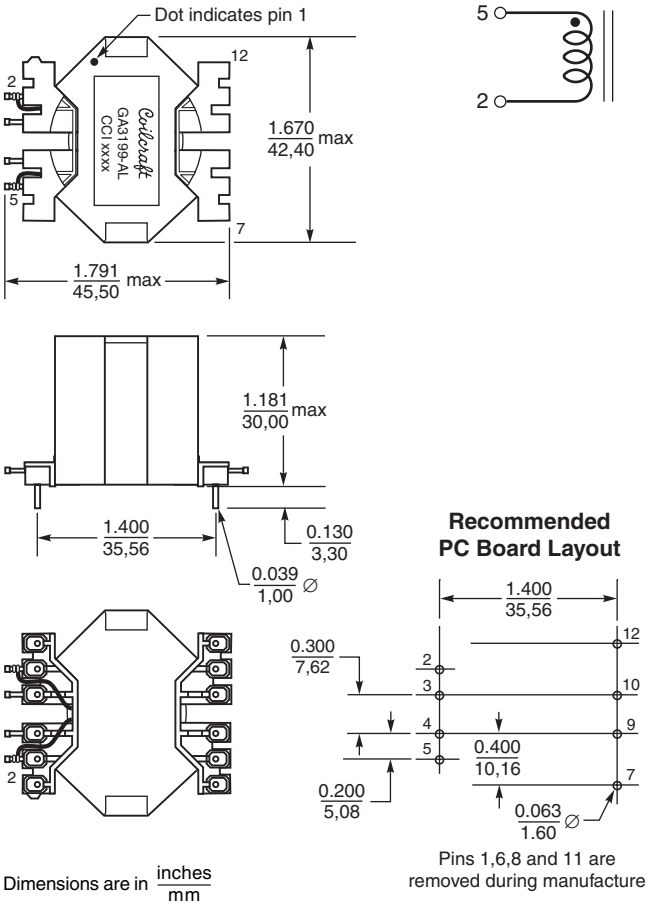


Inductance vs Frequency



Irms Derating





Dimensions are in inches / mm

Pins 1,6,8 and 11 are removed during manufacture

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